

Amendments to the Drawings:

The attached drawing sheet includes changes to FIGS. 1.

Attachment: 1 Replacement Sheet

REMARKS

Claims 1-25 are currently pending, with claims 1, 13 and 25 being in independent form. The drawings have been amended. Claims 1, 2, 4, 5-7, 13, 14, 16 and 17-19 have been amended. Claim 25 has been added. The amendments to claims 2, 4, 5-7 and 14-19 clarify the wording of the claims, and are cosmetic in nature. No new matter has been added by way of this amendment. Reconsideration of the application, as amended, is respectfully requested.

The Oath/Declaration has been objected to by the Examiner for failure to include the inventor's signature". Regarding this objection, an executed declaration that included the inventor's signature was submitted on February 26, 2002, prior to receipt of a Notice to File Missing Parts (Form PCT/DO/EO/905). The enclosed copy of the stamped return receipt postcard indicates that a complete Oath/Declaration was received by the Patent Office on February 26, 2002. In any event, Applicant is re-submitting herewith a copy of the Oath/Declaration which includes the inventor's signature. Withdrawal of the objection is in therefore in order.

The drawings were objected to by the Examiner. Specifically, the Examiner has stated that "the media components, multimedia streams must be shown or the feature(s) canceled from the claim(s)". In response to this objection, Applicant has amended Fig. 1 to illustrate that the data channels carry multimedia streams comprising audio, video and data streams forming the media components. Support for the amendment to Fig. 1 may be found at, for example, pg. 7, lines 11-12 and lines 32-33; and page 9, lines 11-12 of the specification. No new matter has been added. Reconsideration and withdrawal of the objections are requested.

In the Office Action dated October 7, 2005, claims 1, 2, 4, 5, 8, 10-14, 16, 17, 20 and 22-24 were rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention. In response to this rejection, Applicant has amended independent claims 1 and 13 to recite that connection control is provided for audio, video and data streams forming an H.323 or SIP multimedia stream transferred between two end-points each located in a network system, where the audio, video and data streams each form a separate media component. Support for this

limitation may be found at pg. 7, lines 11-12; lines 32-33 and pg. 9, lines 11-12 of the specification. Reconsideration and withdrawal of the objection are in order.

In the Office Action dated October 7, 2005, independent claims 1 and 13, and dependent claims 2-4, 7-9, 14-16, and 19-21 were rejected under 35 U.S.C. §102(e) as anticipated by U.S. Patent No. 6,801,521 (“*Shaffer*”), while dependent claims 5, 6, 10-12, 17, 18 and 22-24 were rejected under 35 U.S.C. §103(a) as unpatentable over *Shaffer* in view of U.S. Patent No. 6,584,093 (“*Salama*”). For the following reasons, reconsideration and withdrawal of the rejections are respectfully requested.

The invention is directed to a method and system for providing a connection control for separate media components forming a multimedia stream that is transferred between two end-points located in a network system (see pg. 1, lines 10-13 of the specification). Media control signaling between the end-points is monitored by routing means that informs control means about separate media components, recognize the separate media components associated with a call between the two end-points and apply a connection control issued by the control means to the separate media components (see Abstract).

Independent claims 1 and 13 have been amended to clarify that connection control is provided in an Intelligent Network, as opposed to in the terminal “creating” the multimedia streams. *Shaffer* and *Salama* are not concerned with enabling the use of specific Intelligent Network (IN) services for separate multimedia stream components.

In particular, *Shaffer* relates to distributed call signaling in telephony-over-LAN networks (see col. 1, lines 9-11). *Shaffer* (col. 1, lines 52-55) generally teaches a telecommunication system in which particular devices are configured to block call signal tones and/or generate the call signal tones locally.

Shaffer (col. 5, lines 26-29) teaches that when a user initiates a call from an H.323 terminal (102a or 102b) within a packet switched network to a party outside the network, the call set-up request is provided to an H.323 gateway 106. *Shaffer* (col. 5, lines 33-35) further teaches that the gateway receives the call setup information and, in a conventional manner, dials the called party over the public switched telephone network (PSTN).

Shaffer (col. 5, lines 35-38) teaches that the H.323 terminal 102 which initiated the call begins monitoring for call progress signals, such as busy signals or ringback signals, which are provided from the gateway 106. *Shaffer* (col. 5, lines 38-43) states, “the H.323 terminal 102 compares the incoming call progress signals to its stored database of signals. More particularly, [a] control processor’s pattern recognizer 806 receives the call progress signals and accesses [a] memory 800 for a corresponding match”. *Shaffer* (col. 5, lines 43-45) further states, “if the call progress signals are recognized, then ... the H.323 terminal 102 determines whether the received signal is a busy signal”.

Shaffer (col. 5, lines 46-48) then states, “if the signal is a busy signal, then the H.323 terminal sends a known disconnect message to the gateway 106. *Shaffer* (col. 5, lines 48-50) also teaches that the H.323 terminal 102 (i.e., the control processor) also accesses its audio files from the memory when a client accesses an audio file. *Shaffer* (col. 5, lines 50-54) teaches that the corresponding audio file is then locally played back via the H.323 terminal’s audio I/O, the call is finally disconnected by the gateway and playback of the audio file is halted.

However, *Shaffer* fails to teach the steps of “monitoring in a routing means of an Intelligent Network media component control signaling between the end-points; informing, by way of the routing means, control means of the Intelligent Network about separate media components; and recognizing in the routing means the separate media components associated with a call between the two end-points,” as recited in amended independent claims 1. *Shaffer* also fails to teach the additional step of “applying a connection control issued by the control means to the separate media components via the routing means”, as also recited claim 1

Independent claim 13 includes a routing means of an Intelligent Network, which monitors media component control signaling between end-points between which an H.323 or SIP multimedia stream is transferred. The multimedia stream is formed of audio, video and data streams that each form a separate media component. Moreover, the routing means informs the control means of the Intelligent Network about separate media components, recognizes the separate media components associated with a call between the two end-points, and applies a connection control issued by the control means to the separate media components.

In contrast, *Shaffer* discloses the detection of call progress signals and the generation of signals, such as a busy signal and ringback signal by a H.323 terminal. *Shaffer* is not concerned with enabling the use of specific Intelligent Network services for separate multimedia stream components. In view of the foregoing, amended independent claims 1 and 13 are patentable over *Shaffer* and thus, reconsideration and withdrawal of the rejection under 35 U.S.C. §102 are in order, and a notice to that effect is respectfully requested.

Salama discloses automatic inter-domain routing of calls in a network (see Abstract). *Salama* (col. 22, lines 21-23) teaches a first terminal requests permission from its gatekeeper to call a second terminal in order to perform conventional call setup. *Salama* (col. 22, lines 24-25) teaches the gatekeeper directs the first terminal to connect to a first proxy. *Salama* (col. 22, lines 26-28) teaches the first proxy then receives the call and queries the gatekeeper on how to forward the call. *Salama* (col. 22, lines 28-29) teaches that the gatekeeper instructs the first proxy to connect to a second proxy. *Salama* (col. 22, lines 29-32) teaches the second proxy receives the call and queries a gatekeeper of the second terminal on how to forward the call. Finally, the second proxy connects to the second terminal. *Salama* teaches that Q.931 and H.245 signaling for the call, as well as RTP streams, all pass through the first and second proxies. However, *Salama* fails to teach or suggest the limitations associated with the routing means of independent claims 1 and 13, where the audio, video and data streams each form a separate media component and thus, fails to cure the deficiencies of *Shaffer*. Rather, *Salama* describes methods for call setup using gatekeepers and proxies. Consequently, independent claims 1 and 13 are patentable over the combination of *Shaffer* and *Salama* and therefore, reconsideration and withdrawal of the rejections under 35 U.S.C. §103 are in order, and a notice to that effect is earnestly solicited.


New independent claim 25 is directed to the features of the routing means but without defining the control means as part of the “network device”. New independent claim 25 is also patentable over *Shaffer* and *Salama* for the reason discussed above.

In view of the patentability of independent claims 1, 13 and 25 for the reasons set forth above, dependent claims 2-12 and 14-24 are all patentable over the prior art.

Based on the foregoing amendments and remarks, this application is in condition for allowance. Early passage of this case to issue is respectfully requested.

Respectfully submitted,

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Dated: December 6, 2005



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4925-189PUS

MCS//LMS 26 February 2002

In re National Phase PCT Application of
Jukka WALLENUS et al.

Serial No.: 10/018.864

Filed: 17 December 2001

For: Providing Connection Control for Separate Logical
Channels in H.323 Multimedia

By Express Mail No. EV072606302US with the following enclosures: X

1. Cover Letter (Due:)
2. Executed Declaration and Power of Attorney
3. Check for \$130.00 for late filing of the Declaration
4. Assignment
5. Recordation cover sheet - PTO Form 1595
6. Check for \$40.00 to cover the recordation fee
7. Return receipt postcard

JC10 Rec'd PCT/PTO 26 FEB 2002



By Express Mail # EV072606302US · February 26, 2002

Attorney Docket # 4925-189PUS

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re National Phase PCT Application of

Jukka WALLENIOUS et al.

Serial No.: 10/018,864

Filed: 17 December 2001

For: Providing Connection Control for Separate
Logical Channels in H.323 Multimedia

COMPLETION OF PATENT APPLICATION

BOX PCT

Assistant Commissioner for Patents
Washington, D.C. 20231

S I R:


In order to complete the filing of missing parts for the above-identified application,
applicant submits herewith the following:

- ☒ Executed Declaration and Power of Attorney
- ☒ Check in the amount of \$130.00 to cover the late filing of the declaration
- ☒ Assignment of the invention to **Nokia Corporation**
- ☒ Recordation cover sheet - PTO Form 1595
- ☒ Check in the amount of \$40.00 to cover the recordation fee
- ☐ Verified translation of the application into English
(a processing fee is required if filed later than 20 or 30 months from the priority date).
- ☐ Check in the amount of \$130.00 to cover the processing fee for providing
the translation of the application.
- ☐ Revised Drawing as requested.
- ☐ Copy of form PCT/DOEO/905
- ☒ According to our records, we have not yet received form PCT/DOE0905.

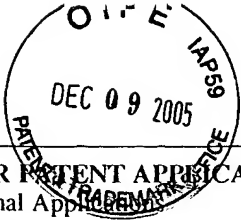
By Express Mail # EV072606302US · February 26, 2002

If there are any additional fees that may be required at this time, the same may also be charged to Deposit Account No. 03-2412.

Respectfully submitted,
COHEN, PONTANI, LIEBERMAN & PAVANE

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Dated: 26 February 2002



US 32765

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY
Includes Reference to PCT International ApplicationAttorney's Docket
No. **4925-189PUS**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PROVIDING CONNECTION CONTROL FOR SEPARATE LOGICAL CHANNELS IN H.323 MULTIMEDIA

the specification of which (check only one item below)

☐ is attached hereto☐ was filed as United States application

Serial No. _

on _

and was amended

on _ (if applicable).

☒ was filed as PCT international applicationNumber PCT/EP99/04624on 02 July 1999

and was amended under PCT Article 19

on _ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of the application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

PRIOR FOREIGN/PCT APPLICATIONS AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

Country (if PCT, indicate "PCT")	Application Number	Date of Filing (day, month, year)	Priority Claimed Under 35 U.S.C. 119	
			<input type="checkbox"/> YES	<input type="checkbox"/> NO
PCT	PCT/EP99/04624	02 July 1999	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
			<input type="checkbox"/> YES	<input type="checkbox"/> NO
			<input type="checkbox"/> YES	<input type="checkbox"/> NO
			<input type="checkbox"/> YES	<input type="checkbox"/> NO
			<input type="checkbox"/> YES	<input type="checkbox"/> NO
			<input type="checkbox"/> YES	<input type="checkbox"/> NO

Combined Declaration for Patent Application and Power of Attorney (Continued)
(Includes Reference to PCT International Applications)

Attorney's Docket No.
4925-189PUS

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

U.S. APPLICATIONS		STATUS (check one)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U.S.				
PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)		
PCT/EP99/04624	02 July 1999		X	

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (*List name and registration number*)

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	RESIDENCE, CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY

Combined Declaration for Patent Application and Power of Attorney (Continued) (Includes Reference to PCT International Applications)				Attorney's Docket No. 4925-189PUS
2 0 3	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE, CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.</p>				
SIGNATURE OF INVENTOR 201		SIGNATURE OF INVENTOR 202		SIGNATURE OF INVENTOR 203
DATE		DATE		DATE

X *[Signature]*
DATE X 9.1.2002